

**In the Specification:**

Please replace the paragraph beginning at line 18, page 30 with the following rewritten paragraph:

C1 --Rats were killed by decapitation and the oviducts removed in less than 5 minutes. Oviducts were collected into prewarmed calcium free phosphate buffered saline (PBS). Oocytes were liberated from the oviducts into M16 culture medium containing 40 IU/ml hyaluronidase at 37 °C using fine forceps. Oocytes were washed twice in M2 medium after 5 minutes exposure to hyaluronidase. Cumulus free oocytes were transferred to equilibrated modified rat embryo culture medium (MR1ECM) and incubated in humidified 5 % CO<sub>2</sub> in air at 37 °C until use. Oocytes at the metaphase II state (i.e. with the first polar body extruded) were selected for nuclear transfer (NT).--

Please replace the paragraph beginning at line 14, page 31 with the following rewritten paragraph:

C2 --Embryos were transferred back to primed recipient rats on day 2, 3 or day 4 of culture.--

**In the Claims:**

Please cancel claims 22-32, without prejudice.

**Please add the following claims:**

45. A method of producing a non-human embryo, said method comprising introducing a nucleus from a neural stem cell (NSC) into an oocyte and allowing the oocyte to mature to the non-human embryo.

C3 46. The method according to claim 45 wherein the NSC is a fetal NSC (FNSC).

47. The method according to claim 45 wherein the NSC is a telomerase catalytic component (TERT) NSC.

48. The method according to claim 45 wherein the NSC is a telomerase catalytic component